

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims:

Listing of Claims:

1-6. (Canceled)

7. (Currently amended) A rotary electric machine comprising:

a case;

bearings provided in the case;

a stator fixed to the case;

~~magnetic poles having one end face facing the stator; and~~

a rotor having the magnetic poles and rotated by electromagnetic energy from the stator, wherein the rotor includes:

~~magnetic poles having one end face facing the stator and another end face attached to a face in its a radially outer region to which other end faces of the magnetic poles are attached rotor;~~

a stepwise drawn portion concentrical with the one end face; and

a drawn shaft portion located on its a rotational axis of the rotor and being inserted into and supported by the bearings,

wherein the face in the radially outer region of the rotor is formed perpendicular to the rotational axis of the rotor, and

a another face perpendicular to the rotational axis of the rotor is formed in the stepwise drawn portion or the shaft portion.

8. (Previously presented) The rotary electric machine as set forth in claim 7, wherein a space for a one-way clutch to be housed is formed by the stepwise drawn portion.

9. (Currently amended) The rotary electric machine as set forth in claim 7, wherein a the magnetic pole-carrying face, the stepwise drawn portion and the shaft portion are formed integral with each other.

10. (Currently amended) The rotary electric machine as set forth in claim 7, wherein

a female thread is formed in the another perpendicular face.

11. (Previously presented) The rotary electric machine as set forth in claim 10, wherein the female thread is formed on the rotational axis.

12. (Previously presented) The rotary electric machine as set forth in claim 10, wherein the female thread is formed in a plurality around the rotational axis at regular intervals.

13. (Currently amended) The rotary electric machine as set forth in claim 7, wherein the another face perpendicular to the rotational axis of the rotor formed in the stepwise drawn portion is formed in a region of the stepwise drawn portion, where the stepwise drawn portion is pressed against ~~a bearing~~ the bearings on the stator into which the shaft portion is inserted.

14. (Previously presented) The rotary electric machine as set forth in claim 7, wherein the stator includes a plurality of coils.

15. (Canceled)

16. (Previously presented) The rotary electric machine as set forth in claim 7, wherein the shaft portion is cylindrical.

17. (Previously presented) The rotary electric machine as set forth in claim 14, wherein the plurality of coils includes a core and a winding.

18. (Previously presented) The rotary electric machine as set forth in claim 17, wherein the core and the winding are disposed in a circle and molded with a resin.

19. (Previously presented) The rotary electric machine as set forth in claim 7, wherein the stator includes an encoder board.

20. (Currently amended) The rotary electric machine as set forth in claim 8, wherein the one-way clutch is press-fitted in a space of a yoke having ~~a bearing~~ the bearings press-fitted in the shaft portion.

21. (Currently amended) A rotary electric motor machine, comprising:

a case;

bearings provided in the case;

a stator fixed to the case;

a rotor rotated by electromagnetic energy from the stator;

wherein the rotor has in its radially outer region a magnetic pole-carrying face that is perpendicular to the rotational axis of the rotor, a stepwise drawn portion concentrical with the magnetic pole-carrying face, and a drawn shaft portion, on a rotational axis of the rotor, formed in its radially inner region, the shaft portion being inserted into and supported by the bearings, and the shaft portion or the stepwise drawn portion being formed with a face perpendicular to the rotational axis; and

a female thread formed in the perpendicular face.

22. (Previously presented) The rotary electric machine as set forth in claim 21, wherein a space for a one-way clutch to be housed is formed by the stepwise drawn portion.

23. (Previously presented) The rotary electric machine as set forth in claim 21, wherein the stator includes a plurality of coils.

24. (Canceled)

25. (Previously presented) The rotary electric machine as set forth in claim 21, wherein the shaft portion is cylindrical.

26. (Canceled)